R & D CATALOG FORM

DATE: 15 June 1967

1. PROJECT TITLE/CODE NAME
RAPID ALIGNMENT DEVICE FOR MICROSTEREOSCOPE

2. SHORT PROJECT DESCRIPTION
A device to rapidly obtain correct anamorphic eyepiece settings.

3. CONTRACTOR NAME
25X1

4. LOCATION OF CONTRACTOR
25X1

5. CLASS OF CONTRACTOR
Manufacturer

6. TYPE OF CONTRACT

7. FUNDS
FY 1967 $ NONE
25X1 FY 1968
FY 1969 $ None

8. REQUISITION NO.

9. BUDGET PROJECT NO.
NP-V-30-02308

10. EFFECTIVE CONTRACT DATE *(Begin - end)*

11. SECURITY CLASS.
A.A. - Confidential
T. - Unclassified
W. - Unclassified

12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION
25X1 DDI/NPIC/TDS/

13. REQUIREMENT/AUTHORITY
This device is required to more rapidly set up and view stereo pairs which require anamorphic correction for proper stereo fusion.

14. TYPE OF WORK TO BE DONE
Engineering Development

15. CATEGORIES OF EFFORT

MAJOR CATEGORY	SUB-CATEGORIES
Viewing Systems	Visual
	Optical Systems
	Lens Systems

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.
One prototype anamorphic alignment device, monthly progress reports and instruction manuals.

17. SUPPORTING OR RELATED CONTRACTS *(Agency & Other)*/COORDINATION
By review of other Agency R&D programs it has been determined that no such device exists or is under development.

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT *(Continue on additional page if required)*
Modern reconnaissance imagery often exhibits anamorphic distortion (i.e., differential X and Y scale) which must be removed by special eyepieces in order to obtain proper stereo fusion. These eyepieces are difficult to use because the geometric distortion has so many variables. This development is for a device to eliminate some of these variables and to thereby speed up the alignment of stereo pairs.

19. APPROVED BY AND DATE

OFFICE	DEPUTY DIRECTOR	DDCI